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V. M. R. R. J.
3/17/03

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q67342

Shinsuke TAKAHASHI

Appln. No.: 09/993,762

Group Art Unit: 2859

Confirmation No.: 7568

Examiner: Amy R. COHEN

Filed: November 27, 2001

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For: PERIPHERAL SURFACE SHAPE MEASURING APPARATUS OF ROLL-LIKE OBJECT

AMENDMENT UNDER 37 C.F.R. § 1.111

Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated October 11, 2002, along with a Petition for Extension of Time and appropriate fee, please amend the above-identified application as follows:

IN THE SPECIFICATION:

Page 2, please delete the first full paragraph, and replace it with the following new paragraph:

a) However, in the case of the conventional peripheral surface shape measuring apparatus of a roll-like object described in Japanese Patent Application Publication No. 8-102064, the displacement amount at the time when the shape sensor **a** rotates is measured with respect to the mounting position of the measuring device, and therefore, there is such a disadvantage that the measurement error becomes large unless the measuring device is provided so that the shape sensor **a** moves completely in parallel to the central axis of the roll-like object 14. For example,